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TI Manufacture of water-permeable concrete using waste materials
IN Jin, Minxu; Wen, Rongxi
PA Peop. Rep. China
SO Faming Zhuanli Shengqing Gongkai Shuomingshu, 4 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
IC ICM C04B028-04
ICS C04B014-02; C04B018-04; C04B014-38
CC 58-2 (Cement, Concrete, and Related Building Materials)
Section cross-reference(s): 60

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI CN 1346813	A	20020501	CN 2001-128272	20011010
PRAI CN 2001-128272			20011010	

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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CN 1346813	ICM	C04B028-04
	ICS	C04B014-02; C04B018-04; C04B014-38

AB The concrete is manufd. from 270-345 kg/m³ cement, 25-35% (of the wt. of cement) stone, 125-135 kg/m³ water, and waste sand or natural sand. The raw material may further contain fly ash 5-20, SiO₂ gel powder 5-20, furnace slag 10-40, zeolite 5-30, rubber emulsion 5-20, C fiber 0.5-4, pigment 15-20 kg/m³, and high AE water reducing agent 1-3% (of the wt. of cement). The obtained concrete has porosity of 15-30%, high mech. strength, and high permeability.

ST concrete waste water permeability porosity strength; cement stone sand fly ash slag concrete; zeolite rubber carbon fiber concrete; pigment water reducing agent concrete

IT Rubber, processes
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)
(emulsion, raw material; for manuf. of water-permeable con